Polymer Testing **7** (1987) 451–453

CONTENTS OF VOLUME 7

Number 1

Editorial 1

Stress Relaxation of Rubbers in Compression: the Modulus Enhancement Factor 3
MOHAMMED TAHIR & ARTHUR W. BIRLEY (UK)

Application of the IFR Portable Pendulum for the Assessment of the Mechanical Properties of Solid Foams 27
A.-L. HAYTER, E. H. A. PRESCOTT & A. C. SMITH (UK)

Application and Limitations of the Flexural Creep Test for Polymeric Materials 39
E. SANCAKTAR, H. JOZAVI, A. H. EL-MAHALLAWY & N. A. CENCI (USA)

Fracture of HIPS in Fluorocarbon Solvent 59
A. SAVADORI, D. BACCI & C. MAREGA (Italy)

Number 2

Editorial 77

Characterisation of Polymers Used in Printed Circuit Board Manufacture . . 79
C. A. SMITH (UK)

Effect of Solvents on Surface Resistivity Measurement of Polymer Films . . . 85
R. A. FOURACRE, G. LEONIDOPOULOS & R. I. FRAME (UK)

Specific Use of Electron Microscopic Techniques in the Characterization of ABS Polymers 91
F. LEDNICKÝ & Z. PELZBAUER (Czechoslovakia)

The Influence of Deformation Mode on the Dynamic Mechanical Spectra of Lightly Plasticised PVC Compositions 109
L. MASCIA (UK)

A Method for the Routine Determination of Compression Modulus of Rubber Vulcanizates 121
O. H. YEOH (Malaysia)

On The Characterization by Schapery's Model of Non-linear Viscoelastic Materials 137
D. GAMBY (France)

Announcements 149

Polymer Testing (7) (1987)—© 1987 Elsevier Science Publishers Ltd, England.
Printed in Northern Ireland

Number 3

Editorial 151

Modification of the Peel Test for Testing of Rubber-to-Rubber Joints 153
P. LOHA, ANIL K. BHOWMICK & S. N. CHAKRAVARTY (India)

Shore A Hardness and Thickness 165
A. C. BASSI, F. CASA & R. MENDICHI (Italy)

Tire Treadwear: The Joint Influence of T_g, Tread Composition and Environmental Factors. A Proposed 'Two-Mechanism' Theory of Treadwear . 177
A. G. VEITH (USA)

Fracture Energy Measurements in Polycarbonate and PMMA 209
RAGNAR SELDÉN (Sweden)

Number 4

Editorial 223

Notch Generation and Geometry in Quality Control Test Specimens 225
C. LAWRENCE & C. SUMNER (UK)

Precision in Polymer Testing: An Important World-Wide Issue 239
A. G. VEITH (USA)

Fracture of Modified Epoxy Resin at High Loading Rates 269
S. SAHRAOUI, J. L. LATAILLADE, J. POUYET & N. SKHIRI (France)

Performance Tests for Artificial Sports Surfaces 279
R. P. BROWN (UK)

Short Communications

Can the ASTM Heat Distortion Test Provide More than Just a Single-Point Measurement? 293
D. R. SAINI (India) & A. V. SHENOY (USA)

The Optical Absorption Coefficient of Amorphous Polyethylene in the Region 450–725 nm 299
L. Z. ISMAIL (Egypt)

Letter to the Editor 305

Number 5

Guest Editorial 307

Testing and Applications of Wire-Reinforced Hydraulic Hose 309
COLIN W. EVANS (UK)

A Rapid and Accurate Method for Determining the Volatile Matter Content of Raw Natural Rubber 317
P. A. D. T. VIMALASIRI, L. M. K. TILLEKERATNE, S. WEERAMAN & A. S. DEKUMPITIYA (Sri Lanka)

Physical Properties of Elastomers for Design and Development 325
P. S. OUBRIDGE (UK)

Stress Birefringence in Polypropylene Fibres 329
A. A. HAMZA, I. M. FOUDA, K. A. EL-FARHATY
& S. A. HELALY (Egypt)

Determination of Ultraviolet Radiation Intensity Using Polysulphone Film . . 345
A. DAVIS & D. GARDINER (UK)

A Method to Evaluate Critical *J*-Integral Value: Locus Method 355
B. H. KIM & C. R. JOE (USA)

The Influence of Methanol Transport on the Measured Fracture Toughness of Poly(methyl methacrylate) 365
L. C. A. YU & L. BEVAN (UK)

Fatigue Life of Styrene-Butadiene Rubber–Mica Composites 371
SHANKAR DEBNATH, DIPAK K. KHASTGIR
& DEBASISH DUTTA (India)

Announcements 381

Book Review 385

Number 6

Guest Editorial 387

Pitfalls in the Evaluation of Impact Fracture of Polymer-Based Materials . . 391
M. AKAY & D. BARKLEY (UK)

A New Method to Study the Fiber–Matrix Interface in Unidirectional Composite Materials: Application for Carbon Fiber–Epoxy Composites . . . 405
P. PERRET, J. F. GERARD & B. CHABERT (France)

Evaluation of Aging Characteristics of Bituminous Roof Coverings by Thermo-Mechanical Analysis (TMA) 419
IGNACY JAKUBOWICZ (Sweden)

The Effect of Heat Ageing on Fracture Toughness in uPVC Pressure Pipe . . 431
RAGNAR SELDÉN (Sweden)

Announcements 445

Book Review 449